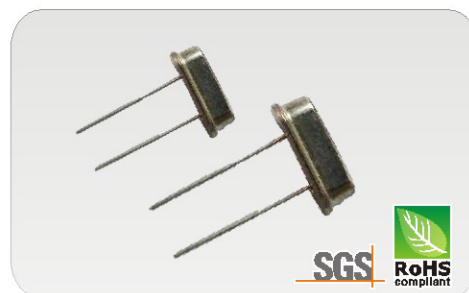


# QUARTZ CRYSTAL, SERIES WX6

## Resistance Welded HC-49/S Low Profile Package

### FEATURE

- Standard height 3.5mm, the part is compact at about one-fourth of the HC-49/U package
- A resistance weld completely sealed type
- Good stability and high reliability
- Copes with high density mounting and is the optimum for mass production



### ELECTRICAL SPECIFICATIONS

Item	Specifications
Frequency Range	3.579545 to 100.000MHz
Load Capacitance( $C_L$ )	Series, 16pF, 18pF, 20pF, 30pF, or specify
Frequency Tolerance	$\pm 30$ ppm at $25 \pm 2^\circ\text{C}$ (standard) or specify
Operating Temperature Range	$-10^\circ\text{C}$ — $+60^\circ\text{C}$ (standard), $-20^\circ\text{C}$ — $+70^\circ\text{C}$ , $-40^\circ\text{C}$ — $+85^\circ\text{C}$ , or Specify
Frequency Stability Over Operating Temperature range	$\pm 30$ ppm(Typical), or specify
Storage Temperature Range	$-40^\circ\text{C}$ — $+85^\circ\text{C}$
Shunt Capacitance ( $C_0$ )	7PF Max
Drive Level	100 $\mu$ W Typical
Insulation resistance	500 $\Omega$ AT DC100VDC
Aging(at $25^\circ\text{C}$ )	$\pm 5$ ppm/year maximum

\*Please consult our sales representative for other specifications.

### EQUIVALENT SERIES RESISTANCE(ESR) AND OSCILLATION MODE

Frequency Range	ESR( $\Omega$ )	Mode	Frequency Range	ESR( $\Omega$ )	Mode
3.579545MHz~5.999MHz	150Max	Fundamental/AT	24.000MHz~40.320MHz	30Max	Fundamental/BT
6.000MHz~7.999MHz	60Max	Fundamental/AT	24.000MHz~29.999MHz	100Max	Third Overtone/AT
8.000MHz~15.999MHz	50Max	Fundamental/AT	30.000MHz~49.999MHz	80Max	Third Overtone/AT
16.000MHz~30.000MHz	30Max	Fundamental/AT	50.000MHz~100.000MHz	60Max	Third Overtone/AT

